


[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

Scholar [All articles](#) - [Recent articles](#) Results **1 - 10** of about **7,120** for **cartilage stress strain shear**. (0.18 seconds)

Viscoelastic **shear** properties of articular **cartilage** and the effects of glycosidase treatments - all 3 versions »

W Zhu, VC Mow, TJ Koob, DR Eyre - Journal of Orthopaedic Research, 1993 - doi.wiley.com

... modulus G' and loss modulus (G'') of the **cartilage** specimens were ... at a particular level of compressive **strain**, a compressive **stress**-relaxation period of ...

[Cited by 86](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Mechanical behavior of articular **cartilage** in **shear** is altered by transection of the anterior ... - all 2 versions »

LA Setton, VC Mow, DS Howell - Journal of Orthopaedic Research, 1995 - doi.wiley.com

... behavior of bovine articular **cartilage** in **shear** (31,35,38). In this study, the data on **stress**-relaxation for each level of **shear strain** were normalized by the ...

[Cited by 61](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

... conditions modulate the composition and mechanical properties of tissue-engineered **cartilage** - all 3 versions »

G Vunjak-Novakovic, I Martin, B Obradovic, S ... - Journal of Orthopaedic Research, 1999 - doi.wiley.com

... which is in the range where equilibrium **stress** varied linearly with applied **strain** for both the engineered constructs and **cartilage** explants. ...

[Cited by 334](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Modulation of the mechanical properties of tissue engineered **cartilage** - all 3 versions »

I Martin - Biorheology, 2000 - IOS Press

... central regions of engineered and native **cartilage** tissues and ... linear fit of the equilibrium **stress** plotted against ... by the amplitude of the applied **strain**. ...

[Cited by 108](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Nonlinear viscoelastic properties of articular **cartilage** in **shear** - all 3 versions »

AA Spirt, AF Mak, RP Wassell - Journal of Orthopaedic Research, 1989 - doi.wiley.com

... matrix on a higher and larger range of applied **shear strain**. This is done by examining the **stress** relaxation response of bovine articular **cartilage** at **shear** ...

[Cited by 23](#) - [Related Articles](#) - [Web Search](#)

Tissue **Shear** Deformation Stimulates Proteoglycan and Protein Biosynthesis in Bovine **Cartilage** ... - all 4 versions »

^

M Jin, EH Frank, TM Quinn, EB Hunziker, AJ ... - Archives of Biochemistry and Biophysics, 2001 - Elsevier

... At 3% **strain** amplitude, the **shear stress** waveform sometimes ... 1B, 0.01 Hz) indicates a small amount of slipping between **cartilage** disks and the chamber ...

[Cited by 73](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Survival of articular **cartilage** after controlled impact - all 2 versions »

RU Repo - The Journal of Bone and Joint Surgery, 1977 - JBJS

... In the studies reported on here, samples of normal human living articular **cartilage** were obtained from ... analyzed in terms of their **stress-strain** and energy- ...

[Cited by 116](#) - [Related Articles](#) - [Web Search](#)

Functional Tissue Engineering of Articular **Cartilage** Through Dynamic Loading of Chondrocyte-Seeded ... - all 4 »

[versions »](#)

RL Mauck, MA Soltz, CCB Wang, DD Wong, PHG Chao, ... - Journal of Biomechanical Engineering, 2000 - link.aip.org

... Behavior of Articular **Cartilage** in **Shear** Is Altered ... and Guilak, F., 1994, "**Stress, Strain**, Pressure, and Flow Fields in Articular **Cartilage** and Chondrocytes ...

[Cited by 222](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Biosynthetic response and mechanical properties of articular **cartilage** after injurious compression - all 5 versions »](#)

B KURZ - Journal of Orthopaedic Research, 2001 - doi.wiley.com

... We conclude that **strain** rate (like peak **stress** or **strain**) is an important parameter in defining mechanical injury, and that **cartilage** injuriously compressed ...

[Cited by 53](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[... the chondrocyte: a biphasic finite element model of cell–matrix interactions in articular **cartilage** - all 3 versions »](#)

F Guilak, VC Mow - Journal of Biomechanics, 2000 - Elsevier

... Knowledge of the local **stress** and **strain** fields in the ... step in the interpretation of studies of mechanical signal transduction in **cartilage** explant culture ...

[Cited by 138](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Key authors: [V Mow](#) - [F Guilak](#) - [A Grodzinsky](#) - [G Ateshian](#) - [L Setton](#)

Google

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

cartilage stress strain shear

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2008 Google